

BIOLOGY NMDCAT EARLIER PREP

PMC UNIT WISE TEST Unit-5

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03418729745(WhatsApp Groups)

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TOPICS:

- ✓ Diversity among Plants
- ✓ Diversity among Animals

- Q.1 An organism is considered to be a plant if it has all of the following features except:
A. Eukaryotic B. Autotrophic
C. Motile D. Multicellular
- Q.2 For the sake of convenience, the organisms included in Kingdom Plantae can be broadly divided into:
A. Two categories B. Three categories
C. Four categories D. Five categories
- Q.3 Plant cells have cell wall, which is composed of:
A. Chitin B. Cellulose
C. Murein D. Teichoic acid
- Q.4 Non-vascular plants are also called as _____ while vascular plants are called as _____.
A. Bryophytes, Tracheophytes B. Tracheophytes, Bryophytes
C. Psilopsida, Lycopside D. Sphenopsida, Hepaticopsida
- Q.5 It is not included in tracheophytes:
A. Psilopsida B. Lycopside
C. Pteropsida D. Anthocerosida
- Q.6 The common name of 'Hepaticopsida' is:
A. Liverworts B. Mosses
C. Whisk ferns D. Hornworts
- Q.7 Bryophytes are also known as 'amphibians of the plants' as they need water for:
A. Digestion B. Growth
C. Metabolism D. Reproduction
- Q.8 Which of the following is not the function of rhizoids?
A. Anchorage B. Translocation through phloem
C. Absorption of water and minerals D. Increase area for absorption
- Q.9 It correctly describes the sporophyte generation in plants:
A. Multicellular and diploid B. Unicellular and diploid
C. Multicellular and haploid D. Unicellular and haploid
- Q.10 Bryophytes developed all of the following adaptive characters for terrestrial environment except:
A. Formation of compact multicellular body B. Development of photosynthetic tissues
C. Protection of gametes D. Homogamy
- Q.11 The gametophyte or haploid stage begins with _____ and ends at _____.
A. Gametes, spores B. Spores, Gametes
C. Oospore, spore mother cell D. Spore mother cell, oospore
- Q.12 In which stage of alternation of generation, genetic variation in next generation occurs?
A. Sporogenesis B. Parthenogenesis
C. Gametogenesis D. Oogenesis



- Q.13** All of the following characteristics enabled the tracheophytes to become predominant flora of land except:
- A. Protected sporangia
B. Homomorphic alternation of generation
C. Formation of pollen tube
D. Production of flowers and fruits
- Q.14** It is considered as the earliest group of vascular plants:
- A. Psilopsida
B. Lycopsida
C. Sphenopsida
D. Pteropsida
- Q.15** The evolution of megaphyllus leaves included series of successive evolutionary steps which are:
- A. Overtopping → Planation → Fusion
B. Fusion → Planation → Overtopping
C. Planation → Fusion → Overtopping
D. Planation → Overtopping → Fusion
- Q.16** During evolution of leaf, the branches grew in different planes. Such an unequal development of various branches is called:
- A. Overtopping
B. Planation
C. Fusion
D. Webbing
- Q.17** It is not related to lycopsida:
- A. Sporophyte is thallus
B. Small leaves
C. Spiral or opposite arrangement of leaves
D. Gametophyte is mainly underground
- Q.18** Plants included in _____ are called arthropytes because the whole plant body is composed of large number of joints.
- A. Psilopsida
B. Lycopsida
C. Sphenopsida
D. Pteropsida
- Q.19** All of the following are the steps involved in evolution of seed habit except:
- A. Evolution of heterospory
B. Development of protective layers around megasporangium
C. Modification of distal end of megasporangium for pollen capture
D. Production of multiple functional megaspores per sporangium
- Q.20** An ovule is a/an:
- A. Integumented indehiscent megasprangium
B. Integumented indehiscent microsprangium
C. Megasporangium without integuments
D. Microsprangium without integuments
- Q.21** The literal meaning of 'gymnospermae' is:
- A. Seed-less plants
B. Protected seeded plants
C. Naked seeded pants
D. Multiple seeded pants
- Q.22** In gymnosperms, the megasporophylls bearing ovules are not folded and joined at the margins to form a/an:
- A. Pollen tube
B. Synergids
C. Ovary
D. Seed
- Q.23** The ovary after fertilization is changed into a _____, containing _____.
- A. Seeds, fruit
B. Fruit, seeds
C. Megasporangium, microsprangium
D. Microsprangium, megasporangium
- Q.24** The angiospermae is divided into how many sub-classes?
- A. 1
B. 2
C. 3
D. 4
- Q.25** The number of petals or sepals in monocots are :
- A. 2 or multiple of 2
B. 4 or multiple of 4
C. 3 or multiple of 3
D. 5 or multiple of five
- Q.26** Animals of kingdom Animalia possess all characters except:
- A. Diploid
B. Embryonic development
C. Unicellular
D. Eukaryotic



- Q.27** Which type of mode of nutrition is found in the members of Kingdom Animalia?
- A. Absorptive heterotrophs B. Ingestive heterotrophs
C. Saprophytic autotrophs D. Chemoautotrophs
- Q.28** The cylindrical body of a sea anemone can be cut in two equal halves. It represents:
- A. Diploblastic organization B. Radial symmetry
C. Triploblastic organization D. Bilateral symmetry



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- Q.29** You are trying to identify an organism. It is an animal, but it does not have nerve or muscle tissue. It is neither diploblastic nor triploblastic. It is probably a:
- A. Flatworm. B. Nematode
C. Cniderian D. Sponge
- Q.30** It is not derived from endoderm?
- A. Liver B. Gastric glands
C. Pancreases D. Muscles
- Q.31** It is not a germ layer:
- A. Ectoderm B. Endoderm
C. Mesoderm D. Blastoderm
- Q.32** Animals which do not have a body cavity:
- A. Acoelomata B. Pseudocoelomata
C. Coelomata D. Deuterostomes
- Q.33** In deuterostomes mesoderm is derived from wall of developing?
- A. Coelom B. Schizocoelous
C. Archenteron D. Margin of blastopore
- Q.34** Radial symmetry is present in:
- A. Sycon B. Cockroach
C. Hydra D. Human
- Q.35** Phylum whose members are mostly endoparasites is:
- A. Platyhelminthes B. Arthropoda
C. Annelida D. Mollusca
- Q.36** Common housefly is involved in spread of all except:
- A. Hepatitis B. Dysentery
C. Malaria D. Cholera
- Q.37** All of the following insects are beneficial except:
- A. Locust B. Silk worm
C. Honey bee D. Butterfly
- Q.38** Tube like digestive system was first time appeared in:
- A. Porifera B. Platyhelminthes
C. Coelentrata D. Nematoda
- Q.39** It is not true about pseudocoelomates:
- A. Homologous to coelom
B. Develops from the blastocoel of embryo
C. Space between body wall and digestive tube
D. Circular muscles are absent
- Q.40** First invertebrate to develop a nervous system is:
- A. Sponge B. Cnidarian
C. Flat worm D. Round worm
- Q.41** It is not a feature of animals belong to sub-kingdom parazoa:
- A. Lack tissue organization B. Simplest of all the animals
C. Determinate shape D. Asymmetrical
- Q.42** The spiny skinned animals are included in:
- A. Sponges B. Coelenterates
C. Echinodermata D. Annelids
- Q.43** Organism of _____ phylum is exclusively marine.
- A. Annelids B. Mollusca
C. Echinoderms D. Hemichordates
- Q.44** _____ have radial symmetry in their adult form.
- A. Annelids B. Molluscs
C. Echinoderms D. Hemichordates
- Q.45** Which cells in a sponge are primarily responsible for trapping and removing food particles from circulating water?
- A. Choanocytes B. Pinacocytes
C. Mesogleal cells D. Epidermal cells



- Q.46** Which characteristic is shared by both cnidarians and flatworms?
A. Dorsoventrally flattened bodies B. Radial symmetry
C. Flame bulbs D. Digestive system with a single opening
- Q.47** Open circulatory system and chitinous exoskeleton are the features related to phylum _____.
A. Cnidaria B. Mollusca
C. Annelida D. Arthropoda
- Q.48** It is commonly known as pin worms:
A. *Ascaris lumbricoides* B. *Fasciola hepatica*
C. *Ancylostoma duodenale* D. *Enterobius vermicularis*
- Q.49** Flame cell excretory system is found in the members of phylum:
A. Porifera B. Coelentrata
C. Platyhelminthes D. Echinodermata
- Q.50** In sponges, the skeleton is in the form of variously shaped needle-like structures called:
A. Gemmules B. Protandrous
C. Spicules D. Osculum

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Bio T-5 Key

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